

Title (en)

NANOPARTICLES BASED ON PLATINUM AND A RARE EARTH OXIDE, AND THE METHODS FOR THE PRODUCTION THEREOF

Title (de)

NANOPARTIKEL AUF BASIS VON PLATIN UND EINEM SELTENERDOXID SOWIE VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

NANOPARTICULES À BASE DE PLATINE ET D'UN OXYDE DE TERRE RARE ET LEURS PROCÉDÉS DE PRÉPARATION

Publication

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Application

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Abstract (en)

[origin: WO2015144894A1] The invention relates to nanoparticles comprising at least one platinum compound comprising at least platinum and at least one rare earth, said rare earth being present in an oxidised form, which are especially useful for the catalysis of the dioxygen reduction reaction (DRR) in an acidic medium. The invention also relates to the methods for the production thereof. The invention further relates to a cathode comprising said nanoparticles and to the use thereof especially in a hydrogen fuel cell, also called a PEMFC.

IPC 8 full level

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Citation (search report)

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